

Claims

What is claimed is:

1. **Storage Battery on the basis of a high frequency plasma**, consisting of a H011-Cavity Resonator (1) with Waveguide endings (2, 3), an Induction coupling (4), plugs (5, 6) for energy distribution, HF- Supply conductings (7), a Schottky - diode (8) including Load capacitor (9) for the rectification of the out-coupled HF - energy as well as a casing (11) for the prevention of HF - Emission including isolation material (10) for decreasing of thermal losses, **thereby noticed**, that the complete construction works like the principle of compression via ionised gases in a high frequency, axial magnetic field (high frequency - reflection machine, é-pinch, Fig. 11) and therefore leads to the inclusion of the plasma under additional exploitation of the increased magnetic field at the ends of the cavity resonator emerging a reflection of the loaded particles for a creation of essential Enclosing forces.
2. **Storage Battery on the basis of a high frequency plasma of claim 1, thereby noticed**, that in both short circuit Waveguide stages (1), constructed as a H011- Cavity Resonator, the resonance frequency of the high temperature plasma beyond the critical frequency is procured for energy charging.
3. **Storage Battery on the basis of a high frequency plasma of claim 1 and 2, thereby noticed**, that after the creation of the plasma flow the eddy currents themselves, caused by the magnetic field B in the cavity resonator, will be used for energy storage.
4. **Storage Battery on the basis of a high frequency plasma after claim 1 to 3, thereby noticed**, that the internal shaped transversal electromagnetic wave form itself will be used in that way, that the high frequency plasma will be hold in those sections of the H011-Cavity Resonator (1-3) including the Waveguide endings (2, 3) while hovering freely spherically from the casing walls.
5. **Storage Battery on the basis of a high frequency plasma after claim 1 to 4, thereby noticed**, that the maintaining of the battery function will be realized only by the resonance frequency of the Cavity Resonator - body (1-3) and without any support by an external oscillator circuit.
6. **Storage Battery on the basis of a high frequency plasma after claim 1 to 5, thereby noticed**, that for the plasma heating of the medium of the energy carrier neon or helium will be obtained.
7. **Storage Battery on the basis of a high frequency plasma after claim 1 to 6, thereby noticed**, that for thermal Emission decrease of the included ionized gas an isolation (10) of the Cavity Resonator - body (1-3) in a separate casing (11) will be used.